

CLAIMS

WHAT IS CLAIMED:

1. A choke and kill line system for at least two different sized blowout preventers comprising:

a choke line having a choke line coupling member for connecting the choke line to each of the at least two different sized blowout preventers;

a kill line having a kill line coupling member for connecting the kill line to each of the at least two different sized blowout preventers;

a first blowout preventer coupling member secured to each of the at least two different sized blowout preventers, the first blowout preventer coupling member being adapted for releaseably connecting the first blowout preventer coupling member to the choke line coupling member, and the choke line coupling member being adapted for releaseably connecting the choke line coupling member to the first blowout preventer coupling member; and

a second blowout preventer coupling member secured to each of the at least two different sized blowout preventers, the second blowout preventer coupling member being adapted for releaseably connecting the second blowout preventer coupling member to the kill line coupling member, and the kill line coupling member being adapted for releaseably connecting the kill line coupling member to the second blowout preventer coupling member,

wherein each of the at least two different sized blowout preventers includes the first and second blowout preventer coupling members, thereby facilitating the choke and kill lines to be releaseably connected to each of the different sized blowout preventers.

1 2. The choke and kill line system of claim 1, wherein:

2 the choke line coupling member and the first blowout preventer coupling member
3 releaseably connect to form a breechblock connection; and

4 the kill line coupling member and the second blowout preventer coupling member
5 releaseably connect to form a breechblock connection.

1 3. The choke and kill line system of claim 2, wherein:

2 the choke line coupling member is a male coupling member and the first blowout
3 preventer coupling member is a female coupling member; and

4 the kill line coupling member is a male coupling member and the second blowout
5 preventer coupling member is a female coupling member.

1 4. The choke and kill line system of claim 2, wherein:

2 the choke line coupling member is a female coupling member and the first blowout
3 preventer coupling member is a male coupling member; and

4 the kill line coupling member is a female coupling member and the second blowout
5 preventer coupling member is a male coupling member.

1 5. The choke and kill line system of claim 2, wherein:

2 the choke line coupling member is a male coupling member and the first blowout
3 preventer coupling member is a female coupling member; and

4 the kill line coupling member is a female coupling member and the second blowout
5 preventer coupling member is a male coupling member.

1 6. The choke and kill line system of claim 2, wherein:

2 the choke line coupling member is a female coupling member and the first blowout
3 preventer coupling member is a male coupling member; and

4 the kill line coupling member is a male coupling member and the second blowout
5 preventer coupling member is a female coupling member.

1 7. A choke and kill line system for a blowout preventer comprising:

2 at least one choke line coupling member, at least one of the at least one choke line coupling
3 members having first and second choke line ends, the first choke line end being adapted to be
4 releaseably connected to a choke line and the second choke line end being adapted to be in fluid
5 communication with the blowout preventer; and

6 at least one kill line coupling member, at least one of the at least one kill line coupling
7 members having first and second kill line ends, the first kill line end being adapted to be releaseably
8 connected to a kill line and the second kill line end being adapted to be in fluid communication with
9 the blowout preventer,

10 wherein the first choke line end is adapted to form a breechblock connection with the
11 choke line and the first kill line end is adapted to form a breechblock connection with the kill line.

1 8. A coupling system for releaseably connecting a line to a blowout preventer comprising:
2 a plate having a plate guide member, a first line coupling member, and a blowout preventer
3 connector member in fluid communication with the first line coupling member and in fluid
4 communication with the blowout preventer; and
5 a line assembly having a line, a line assembly guide member, and a second line coupling
6 member,
7 wherein the first line coupling member and the second line coupling member are each
8 adapted to be releaseably connected with each other.

1 9. The coupling system of claim 8, wherein the first line coupling member is a female coupling
2 member and the second line coupling member is a male coupling member.

1 10. The coupling system of claim 8, wherein the first line coupling member is a male coupling
2 member and the second line coupling member is a female coupling member.

1 11. The coupling system of claim 8, wherein the line assembly guide member includes at least
2 one flange and the plate guide member includes at least one groove adapted for receiving the at least
3 one flange.

1 12. The coupling system of claim 8, wherein the plate guide member includes at least one flange
2 and the line assembly guide member includes at least one groove adapted for receiving the at least
3 one flange.

1 13. The coupling system of claim 8, wherein the first line coupling member and the second line
2 coupling member are adapted to be releaseably connected to form a breechblock connection.

1 14. The coupling system of claim 8, wherein the plate, the first line coupling member, and the
2 blowout preventer connector member are formed integrally with each other.

1 15. A coupling system for releaseably connecting a choke line and a kill line to each of at least
2 two different sized blowout preventers, the coupling system comprising:

3 a choke line coupling member, the choke line coupling member having first and second
4 choke line ends, the first choke line end being adapted to be releaseably connected to a choke line
5 and the second choke line end being adapted to be in fluid communication with each of the at least
6 two different sized blowout preventers; and

7 a kill line coupling member, the kill line coupling member having first and second kill line
8 ends, the first kill line end being adapted to be releaseably connected to a kill line and the second kill
9 line end being adapted to be in fluid communication with each of the at least two different sized
10 blowout preventers.

1 16. The coupling system of claim 15, wherein the first choke line end is adapted to form a
2 breechblock connection with the choke line and the first kill line end is adapted to form a
3 breechblock connection with the kill line.

1 17. The coupling system of claim 16, wherein the first choke line end is a male coupling member
2 and the first kill line end is a male coupling member.

1 18. The coupling system of claim 16, wherein the first choke line end is a female coupling
2 member and the first kill line end is a female coupling member.

1 19. The coupling system of claim 16, wherein the first choke line end is a female coupling
2 member and the first kill line end is a male coupling member.

1 20. The coupling system of claim 16, wherein the first choke line end is a male coupling member
2 and the first kill line end is a female coupling member.

1 21. A pressure line system for riser equipment comprising:
2 at least one pressure line coupling member, at least one of the at least one pressure line
3 coupling members having first and second pressure line ends, the first pressure line end being
4 adapted to be releaseably connected to a pressure line and the second pressure line end being adapted
5 to be in fluid communication with the riser equipment,
6 wherein the first pressure line end is adapted to form a breechblock connection with
7 the pressure line.

22. The pressure line system of claim 21, wherein the riser equipment is a tensioner.

23. The pressure line system of claim 21, wherein the riser equipment is a slip-joint assembly.

1 24. The pressure line system of claim 21, wherein the riser equipment is a slip-joint tensioner
2 assembly.

1 25. A pressure line system for riser equipment comprising:

2 a pressure line having a first pressure line end and a second pressure line end, the first
3 pressure line end having a first breechblock coupling member and the second pressure end being
4 adapted to be in fluid communication with a pressure source; and

5 a second breechblock coupling member in fluid communication with the riser equipment,

6 wherein, the first breechblock coupling member is releaseably connected to the
7 second breechblock coupling member to form a breechblock connection between the pressure line
8 and the riser equipment.

26. The pressure line system of claim 25, wherein the riser equipment is a tensioner.

27. The pressure line system of claim 25, wherein the riser equipment is a slip-joint assembly.

1 28. The pressure line system of claim 25, wherein the riser equipment is a slip-joint tensioner
2 assembly.

1 29. The pressure line system of claim 25, wherein the first breechblock coupling member is a
2 male breechblock coupling member and the second breechblock coupling member is a female
3 breechblock coupling member.

1 30. The pressure line system of claim 25, wherein the first breechblock coupling member is a
2 female breechblock coupling member and the second breechblock coupling member is a male
3 breechblock coupling member.

1 31. The pressure line system of claim 25, wherein the pressure line includes a diameter greater
2 than two inches.